MISSISSIPPI DEPARTMENT OF TRANSPORTATION

AGENCY CONTRACT

TRAFFIC SIGNAL PARTS & EQUIPMENT

CONTRACT # 94113087RFR 1/1/15 THROUGH 12/31/15

MISSISSIPPI DEPARTMENT OF TRANSPORTATION AGENCY CONTRACT TRAFFIC SIGNAL PARTS AND EQUIPMENT FOR THE PERIOD OF JANUARY 1, 2015 THROUGH DECEMBER 31, 2015

ACTUATED CONTROLLERS, TERMINAL FACILITIES AND CABINETS

Four phase cabinet assembly pole mounted to include:

	Eight phase solid state controller, Ethernet ready, must be Traffic Signal Management Software. Eight position terminal facility Detector panel Laptop Tray Dual LED lighting panels 50x30x17 pole mounted cabinet assembly Twelve channel conflict monitor with LCD display 4) Flash transfer relays 4) NEMA load switches compatible with low wattage LED 4) Load switch arresters NEMA flasher		h MDOT's existing
	1) Five position detector rack with PS175 power supply		
	2) Four channel EDI Series loop detector amplifier8) Loop detector arresters	VENDOR1	EACH _\$7,091.00
	Above assembly complete with closed loop communication (Items listed below must be compatible with the above asserbs FSK Radio Single Mode Fiber Multi Mode Fiber Ethernet		-
Eight 1	phase cabinet assembly pole mounted to include:		
	Eight phase solid state controller, Ethernet ready, must be a Traffic Signal Management Software. Twelve position terminal facility Detector panel Laptop Tray Dual LED lighting panels 50x36x17 pole mounted cabinet assembly Twelve channel conflict monitor with LCD display 4) Flash transfer relays 8) NEMA load switches compatible with low wattage LED 8) Load switch arresters NEMA flasher 1) Seven position detector rack with PS175 power supply 4) Four channel EDI Series loop detector amplifier		ЕАСН
	16) Loop detector arresters	1	_\$8,571.00

Above assembly complete with closed loop communication added for the following (Items listed below must be compatible with the above assembly):

DOLL		EACH
FSK	1	\$8,729.00
Radio		\$8,818.00
Single Mode Fiber	1	\$10,078.00
Multi Mode Fiber	1	\$9,078.00
Ethernet	1	\$8,865.00

Eight phase cabinet assembly 56x44x25 base mounted with rear access door to include:

Eight phase solid state controller, Ethernet ready, must be compatible with MDOT's existing Traffic Signal Management Software.

Twelve position terminal facility

Detector panel

Laptop Tray

Dual LED lighting panels

56x44x25 base mounted cabinet assembly with backdoor and

Twelve channel conflict monitor with LCD display

- 4) Flash transfer relays
- 8) NEMA load switches compatible with low wattage LED signals
- 8) Load switch arresters

NEMA flasher

- 1) Seven position detector rack with PS175 power supply
- 4) Four channel EDI Series loop detector amplifier EACH
 16) Loop detector arresters 1 \$8,757.00

Above assembly complete with closed loop communication added for the following (Items listed below must be compatible with the above assembly):

FSK	1	\$8,915.00
Radio	. 1	\$8,999.00
Single Mode Fiber	1	\$10,263.00
Multi Mode Fiber	1	\$9,263.00
Ethernet	1	\$9,049.00

Eight phase cabinet assembly 77x38x26 base mounted to include:

Eight phase solid state controller, Ethernet ready, must be compatible with MDOT's existing Traffic Signal Management Software.

Integrated Battery Backup System with Line Conditioning and External Generator Plug Twelve position terminal facility

Detector panel

Laptop Tray

Dual LED lighting panels

77x38x26 base mounted cabinet assembly with external generator plug

Twelve channel conflict monitor with LCD display

- 4) Flash transfer relays
- 8) NEMA load switches compatible with low wattage LED signals
- 8) Load switch arresters

NEMA flasher			
1) Seven position detector rack with P	S175 power supply		
4) Four channel EDI Series loop detec	tor amplifier	F	EACH
16) Loop detector arresters	r		\$9,339.00
· -	_		.45,005.00
Above assembly complete with closed lateral (Items listed below must be compatible	loop communication ac with the above assemb	lded for the fooly):	llowing
		F	CACH
FSK		_1	\$9,497.00
Radio		_1	\$9,586.00
Single Mode Fiber		_1 \$	10,846.00
Multi Mode Fiber	_	_1	\$9,846.00
Ethernet	_	1 1 1 1 1 1	\$9,633.00
Twelve phase cabinet assembly 56"x44"x27.5"	base mounted with to	include:	
Eight phase solid state controller, Ether Traffic Signal Management Software. Sixteen position terminal facility	net ready, must be com	patible with N	MDOT's existing
Detector panel			
Laptop Tray			
Dual LED lighting panels			
56"x44"x27.5" base mounted cabinet as	ssembly with backdoor		
Sixteen channel conflict monitor with L	CD display		
6) Flash transfer relays	CD display		
12) NEMA load switches compatible v	with low wattage I FD	cionale	,
12) Load switch arresters	Will low Wallage DDD	Signais	
NEMA flasher			
1) Seven position detector rack with P	S175 power supply		
6) Four channel EDI Series loop detec		F	ACH
16) Loop detector arresters	, o		10,795.00
, and a second succession		_*	10,775.00
Above assembly complete with closed l (Items listed below must be compatible	oop communication ad with the above assemb	ded for the follows:	llowing
-		* *	ACH
FSK	_	_1\$	10,953.00
Radio		_1\$	11,041.00
Single Mode Fiber		_1\$	12,299.00
Multi Mode Fiber			11,299.00
Ethernet		_1 \$	11,088.00
Translation of the state of the	TIDO	-	
Twelve phase cabinet assembly with integrated	UPS system 57.875"x	56.75"x 29.12	5" base mounted
with to include:			

Eight phase solid state controller, Ethernet ready, must be compatible with MDOT's existing Traffic Signal Management Software.

Integrated Battery Backup System with Line Conditioning and External Generator Plug Sixteen position terminal facility

Detector panel

Laptop Tray

Dual LED lighting panels

57.875"x56.75"x 29.125" base mounted cabinet assembly	with external	generator plug
Sixteen channel conflict monitor with LCD display		
6) Flash transfer relays	ED cionale	
12) NEMA load switches compatible with low wattage I	LED Signals	
12) Load switch arresters		
NEMA flasher		
1) Seven position detector rack with PS175 power suppl	У	EACH
6) Four channel EDI Series loop detector amplifier	4	
16) Loop detector arresters	I	\$16,459.00
Above assembly complete with closed loop communication		ne following
(Items listed below must be compatible with the above as	sembly):	
· ·		EACH
FSK	1	\$16,616.00
Radio	<u></u> 1	\$16,705.00
Single Mode Fiber	1	\$17,965.00
Multi Mode Fiber	111111	\$16,965.00
	1	\$16,752.00
Ethernet	1	\$10,732.00
Battery Backup System with Cabinet and External Generator Plu (See attached specification)	g	
(CCC)		EACH
	1	\$4,460.00
Power Conditioning System		4 1, 100.00
(See attached specification)		
(See attached specification)		EACH
	1	
	1	_\$5,575.00
CTUATED CONTROLLERS (MUST BE COMPATIBLE WITH	PAGES 1, 2,	3 and 4 CABINET
SSEMBLIES)		
8 Phase Controller W/TBC, Co-ord, Pre-empt and Communication with MDOT's existing Traffic Signal Management Software, FSK, Radio, Fiber and Ethernet.		
		EACH
	1	_\$1,379.00
Closed Loop On Street Master Unit with Communication, must be Traffic Signal Management Software, able to run Local Becommunicate via FSK, Radio, Fiber and Ethernet.		

NSM-12 12 Channel Monitor	NEMA CONFLICT/VOLTAGE MONITORS (MUST BE COMPATICABINET ASSEMBLIES)	TIBLE WITH P	AGES 1, 2, 3 and 4
SSM-12LE 12 Channel Monitor Enhanced \$557.00			EACH
SSM-12LEC 12 Channel Monitor Enhanced with Comm. Port MMU-16 LEip Conflict Monitor 1 \$739.00		1	\$419.00
MMU-16 LEip Conflict Monitor 1		1	\$557.00
LOOP DETECTOR AMPLIFIERS (STAND ALONE) (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) Single Channel with Timing	SSM-12LEC 12 Channel Monitor Enhanced with Comm. Port	1	\$650.00
Single Channel with Timing	MMU-16 LEip Conflict Monitor	1	\$739.00
Single Channel with Timing	LOOP DETECTOR AMPLIFIERS (STAND ALONE) (MUST BE C	COMPATIBLE	WITH PAGES 1, 2,
Two Channel Detector with Timing	- CALLINE THOUSAND AND THE STATE OF THE STAT		EACH
Two Channel Detector with Timing	Single Channel with Timing		
Four Channel Detector with Timing			
BACH Power Supply, 175 watt			
BACH Power Supply, 175 watt			
Power Supply, 175 watt		MPATIBLE W	<u>ITH PAGES 1, 2, 3</u>
Power Supply, 175 watt	and 4 CADITYET ASSEMBLIES		FACH
Two Channel Detector with Timing Four Channel Detector with Timing Four Channel Detector with LCD Enhanced Loop Detector with Timing (see attached specs) Three Space Card Rack (wired) Four Space Card Rack (wired) Five Space Card Rack (wired) Six Space Card Rack (wired) Seven Space Card Rack (wired) LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Serial Port Protocol Digital Radios Replacement Battery for Repeater Vehicle Sensor Node Spoy Tube Isolator Module 1 \$335.00 4-Channel Extension Interface Card Data System Manager Server Input/Output Module Micro Loop Probe 1 \$119.00	Power Supply 175 watt	1	
Four Channel Detector with Timing Four Channel Detector with LCD Enhanced Loop Detector with Timing (see attached specs) Three Space Card Rack (wired) Three Space Card Rack (wired) Four Space Card Rack (wired) Four Space Card Rack (wired) Five Space Card Rack (wired) Six Space Card Rack (wired) Six Space Card Rack (wired) Seven Space Card Rack (wired) Seven Space Card Rack (wired) LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Ethernet Communication Replacement Battery for Repeater Stripping Serial Port Protocol Digital Radios Replacement Battery for Repeater Stripping Vehicle Sensor Node Vehicle Sensor Node Serial System (with Data) Dual Component Epoxy Applicator Epoxy Tube Sensor Node Serial System Syste		¹	\$132.00
Four Channel Detector with LCD Enhanced Loop Detector with Timing (see attached specs) I \$599.00 Three Space Card Rack (wired) Four Space Card Rack (wired) Five Space Card Rack (wired) Six Space Card Rack (wired) Six Space Card Rack (wired) Seven Space Card Rack (wired) Seven Space Card Rack (wired) I \$305.00 Seven Space Card Rack (wired) Seven Space Card Rack (wired) I \$316.00 LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater I \$2,566.00 Serial Port Protocol Digital Radios Replacement Battery for Repeater Vehicle Sensor Node Vehicle Sensor Node Vehicle Sensor Node I \$395.00 Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Epoxy Tube I \$59.00 Isolator Module I \$3335.00 4-Channel Extension Interface Card Data System Manager Server I \$7,350.00 Input/Output Module I \$129.00 Micro Loop Probe			
Enhanced Loop Detector with Timing (see attached specs) Three Space Card Rack (wired) Four Space Card Rack (wired) Five Space Card Rack (wired) Six Space Card Rack (wired) Six Space Card Rack (wired) Six Space Card Rack (wired) Seven Space Card Rack (wired) Seven Space Card Rack (wired) LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Sepace Time St., 291.00 Replacement Battery for Repeater Vehicle Sensor Node Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Epoxy Tube Isolator Module 4-Channel Extension Interface Card Data System Manager Server Instruction Serial Port Probe 1 \$335.00 A-Channel Extension Interface Card Data System Manager Server Instruction Serial Port Probe 1 \$179.00 Micro Loop Probe	$oldsymbol{arphi}$	1	\$222.00
Three Space Card Rack (wired) Four Space Card Rack (wired) Five Space Card Rack (wired) Five Space Card Rack (wired) Six Space Card Rack (wired) Six Space Card Rack (wired) Seven Space Card Rack (wired) LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Serial Port Protocol Digital Radios Replacement Battery for Repeater Vehicle Sensor Node Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Epoxy Tube Isolator Module Ferror Space Card Rack (wired) Isolator Module Input/Output Module Input/Output Module Isolator Space Card Spa	· · · · · · · · · · · · · · · · · · ·	1	
Four Space Card Rack (wired) Five Space Card Rack (wired) Six Space Card Rack (wired) Six Space Card Rack (wired) Six Space Card Rack (wired) Seven Space Card Rack (wired) LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Replacement Battery for Repeater Vehicle Sensor Node Vehicle Sensor Node (with Data) Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Epoxy Tube Isolator Module Isolator Module Isolator Module Isolator System Manager Server Input/Output Module Isolator Module Isola		1	 :
Five Space Card Rack (wired) Six Space Card Rack (wired) Six Space Card Rack (wired) Seven Space Card Rack (wired) LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Replacement Battery for Repeater Serial Space Card Rack (wired) Replacement Battery for Repeater Vehicle Sensor Node Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Epoxy Tube Isolator Module 4-Channel Extension Interface Card Data System Manager Server In \$7,350.00 Input/Output Module	• ,	1	 '
Six Space Card Rack (wired)		1	
Seven Space Card Rack (wired)	Six Space Card Rack (wired)	1	
LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE WITH PAGES 1, 2, 3 and 4 CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater I \$645.00 Repeater I \$1,291.00 Replacement Battery for Repeater I \$775.00 Vehicle Sensor Node Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Epoxy Tube Epoxy Tube Isolator Module 4-Channel Extension Interface Card Data System Manager Server Input/Output Module Micro Loop Probe EACH **EACH** **EACH** **EACH** **EACH** **Samulation** \$2,566.00 \$1 \$2,566.00 \$1 \$645.00 \$1,291.00 \$1,291.00 \$1,291.00 **EACH** **EACH** **EACH** **Samulation** \$1,291.00 \$1,291.00 **EACH** **EACH** **EACH** **EACH** **EACH** **EACH** **Samulation** \$1,291.00 \$1,291.00 **Micro Loop Probe** **Indicate Signature And Signa		<u>1</u>	
CABINET ASSEMBLIES) EACH Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Replacement Battery for Repeater Vehicle Sensor Node Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Export Protocol Digital Radios Repeater 1 \$1,291.00 \$395.00 Vehicle Sensor Node 1 \$395.00 Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Export Protocol Digital Radios 1 \$147.00 Export Protocol Digital Radios 1 \$147.00 Export Protocol Digital Radios 1 \$335.00 4-Channel Extension Interface Card Data System Manager Server I \$7,350.00 Input/Output Module Micro Loop Probe 1 \$179.00	Seven Space Card Rack (Wired)	I	\$316.00
Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Replacement Battery for Repeater Vehicle Sensor Node Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator EACH EACH \$2,566.00 \$475.00 \$1,291.00 \$75.00 Vehicle Sensor Node \$395.00 Vehicle Sensor Node \$1,291.00 \$395.00 \$475.00 Dual Component Epoxy Applicator Epoxy Tube Specification I \$147.00 Epoxy Tube I \$59.00 Isolator Module I \$335.00 4-Channel Extension Interface Card Data System Manager Server I \$7,350.00 Input/Output Module I \$129.00 Micro Loop Probe	LOOP DETECTOR ACCESSORIES (MUST BE COMPATIBLE W	ITH PAGES 1	, 2, 3 and 4
Wireless Magnetometer Vehicle Detection System (see attached specs) Access Point/ Contact Closure Ethernet Communication Serial Port Protocol Digital Radios Repeater Replacement Battery for Repeater Vehicle Sensor Node Vehicle Sensor Node (with Data) Dual Component Epoxy Applicator Epoxy Tube Isolator Module 4-Channel Extension Interface Card Data System Manager Server Input/Output Module Micro Loop Probe Serial Port Contact Closure \$2,566.00 \$2,566.00 \$345.00 \$1,291.00 \$1,291.00 \$1,291.00 \$1,291.00 \$1,291.00 \$1,291.00 \$2,566.00 \$1,291.00 \$1,291.00	CABINET ASSEMBLIES)		-
Access Point/ Contact Closure Ethernet Communication 1 \$2,566.00 Serial Port Protocol Digital Radios 1 \$645.00 Repeater 1 \$1,291.00 Replacement Battery for Repeater 1 \$75.00 Vehicle Sensor Node 1 \$395.00 Vehicle Sensor Node (with Data) 1 \$475.00 Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00			EACH
Ethernet Communication 1 \$2,566.00 Serial Port Protocol Digital Radios 1 \$645.00 Repeater 1 \$1,291.00 Replacement Battery for Repeater 1 \$75.00 Vehicle Sensor Node 1 \$395.00 Vehicle Sensor Node (with Data) 1 \$475.00 Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$335.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	Wireless Magnetometer Vehicle Detection System (see attached s	specs)	
Serial Port Protocol Digital Radios 1 \$645.00 Repeater 1 \$1,291.00 Replacement Battery for Repeater 1 \$75.00 Vehicle Sensor Node 1 \$395.00 Vehicle Sensor Node (with Data) 1 \$475.00 Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	Access Point/ Contact Closure		
Repeater 1 \$1,291.00 Replacement Battery for Repeater 1 \$75.00 Vehicle Sensor Node 1 \$395.00 Vehicle Sensor Node (with Data) 1 \$475.00 Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	Ethernet Communication	1	_\$2,566.00
Replacement Battery for Repeater 1 \$75.00 Vehicle Sensor Node 1 \$395.00 Vehicle Sensor Node (with Data) 1 \$475.00 Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	Serial Port Protocol Digital Radios	1	\$645.00
Vehicle Sensor Node 1 \$395.00 Vehicle Sensor Node (with Data) 1 \$475.00 Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	Repeater	1	_\$1,291.00
Vehicle Sensor Node (with Data) 1 \$475.00 Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	Replacement Battery for Repeater	11	\$75.00
Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	Vehicle Sensor Node	1	\$395.00
Dual Component Epoxy Applicator 1 \$147.00 Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	Vehicle Sensor Node (with Data)	1	\$475.00
Epoxy Tube 1 \$59.00 Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00	· · · · · · · · · · · · · · · · · · ·	1	\$147.00
Isolator Module 1 \$335.00 4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00		1	
4-Channel Extension Interface Card 1 \$357.00 Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00			
Data System Manager Server 1 \$7,350.00 Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00		1	
Input/Output Module 1 \$129.00 Micro Loop Probe 1 \$179.00		1	
Micro Loop Probe1\$179.00	· · · · · · · · · · · · · · · · · · ·		
Micro Loop Probe Lead-in Cable1/LF\$0.39	Micro Loop Probe Lead-in Cable	1/ LF	\$0.39

TRAFFIC SIGNAL HEADS AND LENSES (VENDORS BIDDING ON THIS SECTION MUST BID ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE PRICE FOR THIS ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE SECTION)

	EACH
LED Lenses (see attached specifications)	
12" Red Arrow "LED" Lens1	\$28.10
12" Yellow Arrow "LED" Lens1	\$29.25
12" Green Arrow "LED" Lens1	\$29.90
12" Circular Red "LED" Lens1	\$26.85
12" Circular Yellow "LED" Lens1	\$29.60
12" Circular Green "LED" Lens1	\$28.99
8" Circular Red "LED" Lens	\$29.90
8" Circular Yellow "LED" Lens1	\$27.25
8" Circular Green "LED" Lens1	\$25.99
Traffic Signal Heads with backplates (see attached specifications), Polycarbon Black or Yellow, LED Lenses (see attached specifications), with attached vise 8" Three Section Traffic Signal Head (1-49)	
(see attached specifications), with attached visors	
12" Three Section Traffic Signal Head (1-49)	\$335.00
12" Three Section Traffic Signal Head (50-99)	\$325.00
12" Three Section Traffic Signal Head (100+)	\$307.00
12" Three Section Traffic Signal Head with Three Arrows (1-49) _1_	\$318.00
Backplates for Traffic Signals Heads(see attached spec.) Three Section Traffic Signal Four Section Traffic Signal, Type 3 Four Section Traffic Signal, Stacked Five Section Traffic Signal, Type 7	EACH\$42.00\$99.00\$54.00\$101.00

PEDESTRIAN SIGNALS (see attached LED specification) VENDORS BIDDING ON THIS SECTION
MUST BID ON ALL ITEMS IN THIS SECTION. VENDOR WITH LOWEST CUMULATIVE
PRICE FOR THIS ENTIRE SECTION WILL BE AWARDED CONTRACT FOR THIS ENTIRE
SECTION

	EACH
16" X 18" Ped Housing with LED insert, Aluminum, yellow or black,	
Countdown type, side of pole mount6	\$203.19
16" X 18" Ped Housing with LED insert, Aluminum, yellow or black,	
Countdown type, drilled for clamshell mount6	\$203.19

16" X 18" Ped Housing with LED insert, Polycarbonate, yellow or black, Countdown type, side of pole mount 16" X 18" Ped Housing with LED insert, Polycarbonate, yellow or black, Countdown type, drilled for clamshell mount Mounting Hardware – side of pole Mounting Hardware – clamshell 6 Mounting Hardware – clamshell	\$162.49 \$168.87 \$60.94 \$51.70
SOLAR 24 HOUR FLASHING BEACONS	EACH
Self-Contained Unit (see attached specifications)	
Solar Powered Stop Sign Beacon (Red) with 1-8" LED with 3-year replacement warranty on all components1 Solar Powered Stop Sign Beacon (Red) with 1-12" LED	_\$1,999.00
with 3-year replacement warranty on all components1 Solar Powered Stop Sign Beacon (Red) with 2-8" LED's	_\$1,999.00
with 3-year replacement warranty on all components1	_\$2,999.00
Solar Powered Stop Sign Beacon (Red) with 2-12" LED's with 3-year replacement warranty on all components1	_\$2,999.00
Solar Powered Warning Sign Beacon (Amber) with 1-8" LED with 3-year replacement warranty on all components1	_\$1,999.00
Solar Powered Warning Sign Beacon (Amber) with 1-12" LED with 3-year replacement warranty on all components1	_\$1,999.00
Solar Powered Warning Sign Beacon (Amber) with 2-8" LED's with 3-year replacement warranty on all components1	_\$2,999.00
Solar Powered Warning Sign Beacon (Amber) with 2-12" LED's with 3-year replacement warranty on all components1	_\$2,999.00
Non Self-Contained Unit (see attached specifications)	
Solar Powered Stop Sign Beacon (Red) with 1-8" LED	#1.500.00
with 3-year replacement warranty on all components7 Solar Powered Stop Sign Beacon (Red) with 1-12" LED	_\$1,502.00
with 3-year replacement warranty on all components4 Solar Powered Stop Sign Beacon (Red) with 2-8" LED's	_\$1,515.98
with 3-year replacement warranty on all components4 Solar Powered Stop Sign Beacon (Red) with 2-12" LED's	_\$1,981.63
with 3-year replacement warranty on all components4	_\$2,014.49
Solar Powered Warning Sign Beacon (Amber) with 1-8" LED with 3-year replacement warranty on all components7	_\$1,502.00
Solar Powered Warning Sign Beacon (Amber) with 1-12" LED with 3-year replacement warranty on all components. 4	_\$1,515.98
Solar Powered Warning Sign Beacon (Amber) with 2-8" LED's with 3-year replacement warranty on all components. 4	_\$1,981.63
Solar Powered Warning Sign Beacon (Amber) with 2-12" LED's	_
with 3-year replacement warranty on all components4	_\$2,014.49

SOLAR SCHOOL ZONE FLASHING BEACONS (see attached spec	eification)	
		EACH
Solar Powered School Zone Warning Sign Beacon (Amber) with with 3-year replacement warranty on all components. Solar Powered School Zone Warning Sign Beacon (Amber) with	1	_\$2,549.00
with 3-year replacement warranty on all components. Solar Powered School Zone Warning Sign Beacon (Amber) with	1	_\$2,549.00
with 3-year replacement warranty on all components. Solar Powered School Zone Warning Sign Beacon (Amber) with	1	_\$3,225.00
with 3-year replacement warranty on all components.	1	_\$3,225.00
RADIO INTER-CONNECT SYSTEMS & EQUIPMENT (MUST BE	COMPATIB	LE WITH PAGES
1, 2, 3 and 4 CABINET ASSEMBLIES AND EXISTING MDOT RA	DIO SYSTEM	IS)
		EACH
Radio Serial (900 MHZ) Interconnect System		
Radio Interconnect Assembly (Spread Spectrum)	1	_\$1,699.00
Radio with power supply	1	_\$1,202.00
Yaggi Antenna	1	\$155.00
Omni Antenna	1	\$241.00
Lo Pro NP 9000, 850-950 MHz Antenna	1	\$149.00
Radio Ethernet Interconnect System (see attached specs)	1	\$1,502.00_
RADAR DETECTION SYSTEMS & EQUIPMENT (MUST BE COL and 4 CABINET ASSEMBLIES) Microwave Based Traffic Sensor Assembly (see attached spec)		VITH PAGE 1, 2, 3 EACH _\$4,800.00
Individual items listed below must be compatible with abo	ve Assembly	* * * * * * * * *
Microwave Sensor		_\$4,215.00
Mounting Bracket	l	\$143.00
Two Output Single Input Interface Board	l	\$443.00
Four Output Single Input Interface Board		\$443.00
Four Output Double Input Interface Board	1	\$443.00
Radar Presence Detector (see attached spec)	9	\$4,245.00
Continuous Tracking Advance Detector (see attached spec)	9	_\$4,105.00
Continuous Tracking Extended Range Advance Detector (see Attached spec)	9	_\$4,665.00
Individual items listed below must be compatible with abo	ve Assemblies	
Mounting Bracket	9	\$175.00
6 Conductor Cable	9	\$1.65/LF
Cable Junction Box	9	\$150.00
Preassembled Backplate	9	\$1,860.00
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Multi Sensor Vehicle Detection System (see attached spec)	1	_\$7,647.00
Individual items listed below must be compatible with ab	ove Assembly	
Video Imaging Camera Sensor	1	_\$3,882.00
Radar Sensor		\$1,250,00
	1	_\$1,250.00 _\$1,875.00 _\$1,875.00
Multi-Sensor Assembly	1	_\$1,673.00
Sensor Data Combiner	l	_\$1,875.00
Detection Processor	1	_\$3,765.00
VIDEO DETECTION SYSTEMS & EQUIPMENT (MUST BE CO	MPATIRLE V	VITH PAGES 1, 2, 3
and 4 CABINET ASSEMBLIES) (see attached specification)	WITATIDEE	VIIII 1110ES 1, 2, 5
(Vendors must bid on entire section and lowest cumulative b	id wine entire	saction)
(vendors must bid on entire section and lowest cumulative b	ia wins entire	section)
		EACH
Video Detection System Items		
Integrated sensor/processor Assembly		
(Camera, lens, & housing)		
Processor		
Mounting hardware		
Surge Interface Panel		
Video Detection Cable		
Video Power Cable		
9" Color Video Display		
MISCELLANEOUS PRODUCTS (MUST BE COMPATIBLE IF U	ISED WITH P	AGES 1. 2 . 3 and 4
ASSEMBLIES)	OBED WITH	1025 1,2 ,0 414 -
		EACH
NEMA Controller Tester	1	_\$2,750.00
NEMA Monitor Tester (Automatic)	1	\$10,179.00
NEMA Load Switch compatible with low wattage LED signals	1	\$17.10
NEMA Flasher	1	\$17.15
Flash Transfer Relay		\$23.60
· · · · · · · · · · · · · · · · · · ·	i	\$260.00
Flasher Cabinet Assembly, NEMA Type	1	\$495.00
Flasher Cabinet Assembly, NEMA Type with Solid State Time		
Traffic Solar Power Assembly to supply 80 watts for 14 hrs/day		_\$6,573.23
Pedestrian Pushbutton (see attached specification)	8	\$30.50
GPS Synchronization Clock (see attached specification)	4	\$275.00
LED Internally Illuminated Regulatory Sign (see attached speci-		sq FT_\$108.00
LED Internally Illuminated Street Name Sign (see attached spec		sq FT_\$150.00
Two Conductor Shielded cable, 14 Gauge IMSA 50-2		er LF\$0.288
Four Conductor Shielded cable, 14 Gauge IMSA 50-2	5p	er LF\$0.667
Four Conductor Stranded cable, 14 Gauge, IMSA 20-1	5 p	er LF\$0.393
Five Conductor Stranded cable, 14 Gauge, IMSA 20-1		er LF \$0.482
Seven Conductor Stranded cable, 14 Gauge, IMSA 20-1		er LF \$0.665
#14 Stranded Loop Wire, IMSA 51-3 Type XHHW		er LF \$0.108
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THE FOLLOWING ITEMS MUST BE COMPATIBLE WITH EXISTING MDOT PREMPTION SYSTEM: (See Attached Specifications)

		EACH
Multimode Four Channel Phase Selector	1	\$2,751.00
Multimode Phase Selector Card Rack		\$168.00
Optical Detector, One Eye, One Channel		\$426.00
Optical Detector, Two Eye, One Channel		\$484.00
Optical Detector, Two Eye, Two Channel	1	\$675.00
OpticalVehicle Control Emitter - "High Range" w/Switch	1	\$1,135.00
OpticalVehicle Control Emitter - "Low Range" w/Switch		\$1,135.00
Optical Vehicle Control Emitter w/Range Control	1	\$1,325.00
Multimode Emitter		\$3,500.00
GPS Emitter	1	
Radio/GPS Cable	<u> </u>	per LF \$0.60
Optical Detector, Cable	5	per LF \$0.26
GPS Detector	1_	\$200.00

<u>VENDOR 1:</u>	<u>VENDOR 2:</u>	<u>VENDOR 4:</u>

BLAIR TEMPLE WILLIAM M. MARSHALL TEMPLE, INC. ELECTROTECHNICS CORP. P.O. BOX 2066 1310 COMMERCE STREET DECATUR, AL 35602 MARSHALL, TX 75672 (800) 633-3221 (903) 938-1901

VENDOR 5:	VENDOR 6:	VENDOR 7:
	<u> </u>	V LIVE ().

STUART ZIEFF	ELAINE DAVIS	CHIP PHILLIPS
TRAFFIC SIGNAL CABLE	TRASTAR, INC.	K & K SYSTEMS
333 JERICHO TURNPIKE,	860 N. DOROTHY DRIVE,	687 PALMETTO ROAD
STE 124	STE 600	
JERICHO, NY 11753	RICHARDSON, TX 75081-2770	TUPELO, MS 38801
(516) 921-6725	(972) 480-0888	(662) 566-2025

VENDOR 8: VENDOR 9:

JONI FEXER	JACKIE JAMESON
TRAFFIC PARTS, INC.	TWINCREST INC., dba TWINCREST TECHNOLOGIES

P.O. BOX 837 P.O. BOX 757

P.O. BOX 837 SPRING, TX 77383 (800) 345-6329 MANSFIELD, TX 76063

(800) 345-6329 (817) 539-2200

VENDORS 1, 4, 5, 6, 7, 9: MDOT, GOVERNING AUTHORITIES & OTHER STATE AGENCIES

VENDOR 8: MDOT & OTHER GOVERNING AUTHORITIES